

# Ground Water Models in the Courtroom



*an educational workshop sponsored by*

**AMERICAN GROUND WATER TRUST**

*Independent Authority on Ground Water*



*co-sponsored by*

STATE BAR OF CALIFORNIA,  
REAL PROPERTY LAW SECTION,  
NATURAL RESOURCES SUBSECTION

**Monday May 17  
Omni Los Angeles Hotel  
251 South Olive Street  
Los Angeles, California 90012**

Register online at [www.agwt.org](http://www.agwt.org)  
(click on "workshops and conferences")

# What Is It All About?

This one-day workshop program, for attorneys, scientists, engineers, regulators and water managers covers the subject of the ever-increasing sophistication of computer models of aquifer dynamics and contaminant transport. With reference to recent court decisions, the program will review the growing acceptance of model predictions in legal cases involving sub-surface water. This program has been approved for California State Bar MCLE credit

## Conference Program – Friday, May 17

9:00 to 10:00am Registration (Coffee & Danish)

10:00am

Terry Foreman, Vice President, CH2M Hill, Thousand Oaks, CA

*☞Introduction to the basics of ground water hydrology*

*How the hydrologic system works - How aquifers are characterized*

10:45am

Steven Hoch, Attorney, Hatch & Parent, Los Angeles, CA

*☞Modeling 101 - A Lawyers Guide to the use of models in the courtroom*

11:30am

Randall Hanson, Research Hydrologist, U.S. Geological Survey, San Diego, CA

*☞Ground Water Models in use and developed for California conditions*

**12:15 noon      Lunch**

**1:00pm**

Helen Dawson, Superfund Technical Support Program, US EPA, Region 8, San Francisco, CA

*☞How the EPA uses models in its regulatory, enforcement, and cost recovery processes.*

*☞How Potentially Responsible Parties (PRPs) and their consultants can be helpful in the process of providing models, and providing analysis and interpretation.*

**1:45pm**

Brendan Harley, CDM

*☞Flow & solute transport model capabilities and limitations*

**2:30**

Anthony Brown, CEO & Chief Hydrologist, Komex, Westminster, CA

*☞The use of models in complex groundwater litigation (Aerojet, Santa Monica as examples)*

*☞Defenses to Kelly-Frye and Daubert Challenges to Models*

*☞The ten pitfalls when developing a groundwater model for litigation*

**3:15**

## Presenter Background

### **Terry Foreman, Senior Hydrogeologist & Vice President CH2M Hill, Thousand Oaks, CA**

Terry Foreman's technical expertise is in the management and development of groundwater resources, including water supply development, conjunctive use of surface waters, groundwater, and recycled water, remediation of contaminated groundwater, and regulatory support. Mr. Foreman has served as project manager for the Las Posas Basin ASR project, the largest ASR project in California, the West Basin Water Recycling Program Injection Barrier Project, which involves injection of highly treated wastewater into the 9-mile long West Coast Basin Seawater Intrusion Barrier, the Dominguez Gap Seawater Intrusion Barrier Extension project. Mr. Foreman has authored over 30 technical papers and presentations.

### **Anthony Brown, CEO and Principal Hydrologist, Komex, Westminster, CA**

Anthony Brown has testified as an expert on behalf of water utilities throughout the country impacted by groundwater contamination, particularly MTBE, perchlorate and solvents. Komex is the technical consultant for most of the water utilities in California impacted by perchlorate contamination.

### **Randy Hanson, Research Hydrologist, U.S. Geological Survey, San Diego, CA**

Randy Hanson's is a research hydrologist with the U.S. Geological Survey for 23 years modeling international and large regional aquifer systems in New Mexico, Arizona, and California. His technical expertise is in the characterization and simulation of regional ground-water/surface-water flow systems that incorporates regional flow modeling, geohydrologic framework analysis, wellbore hydraulics and geochemistry, hydroclimatology, and borehole geophysics. Current studies include the Salinas and Pajaro Valleys of Monterey Bay, the Santa Clara Valley, the Ventura area and Los Angeles Basin of Southern California, the Central Valley, Global Climate Models linkage to regional flow models, Southwestern U.S. climate analysis, 3-dimensional wellbore flow with depth-dependent water quality, and addition of new simulation features to the USGS model MODFLOW-2000.

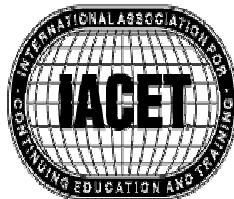
### **Steven Hoch, Hatch & Parent, Los Angeles, CA**

Steven Hoch is an environmental lawyer with 30 years of experience in groundwater cleanups and toxic torts. He has been and currently is involved in several perchlorate groundwater and toxic tort suits.

### **Victor Sher, Sher Leff LLP (Attorneys) , San Francisco, CA**

Sher Leff specializes in representing public water suppliers and other public agencies in lawsuits against the manufacturers of chemicals that pollute water. Mr. Sher's prior experience includes 11 years with the nonprofit environmental law firm Earthjustice, including four as its President. Mr. Sher has successfully litigated many cases involving toxic chemicals.

## Continuing Education



Employee Development University is a learning partner with the Trust and 0.5 CEU credits are available for workshop attendees who complete the sign-in and sign-out sheet at registration and who submit a conference evaluation form.

Visit [www.eduniv.com](http://www.eduniv.com) for more information about this CEU program.

## MCLE Credit



### **Attorneys can earn 5.25 hours MCLE Credit by attending this program**

The State Bar of California Real Property Law Section, Natural Resources Subsection is a co-sponsor of this program. The Office of Section Education & Meeting Services is a State Bar of California approved MCLE provider.

## Omni Hotel

### **Driving Directions**

From Los Angeles International Airport (18 miles/ 30 minutes): Exit Sepulveda Boulevard south; Stay to the right when out of tunnel; Take 105 East to 110 North; Exit 4th Street East and turn left onto Olive Street; The hotel is located on the left, halfway up Olive Street



## Parking

Workshop participants who valet - park at the Omni Hotel or who self - park at the California Plaza next door to the hotel will receive a complimentary parking validation. This parking is available on a first-come, first served basis for "day of event" parking only. Validation is NOT available for any other parking facility.

## Sleeping Room Reservations

Call: 1-800-THE-OMNI

# Conference Registration Information

## Ground Water Models in the Courtroom:

*Monday, May 17, 2004*

Omni Hotel, Los Angeles

**Registration includes handouts, coffee breaks & lunch**  
***[Earn 5.25 hours MCLE Credit]***

<b>On-Site Registration (Walk-in, not pre-registered)</b>	<b>\$300</b>
<b>Pre-Registration</b> (e-mail, mail, fax or telephone)	
<b>General Registration</b>	<b>\$260</b>

<b>Trust Members and Employees</b>	<b>\$230</b>
<b>Members of Real Property Law Section of the State Bar of California.</b>	<b>\$230</b>
<b>Full-time Students (college/university ID required at registration check-in)</b>	<b>\$150</b>

**TOTAL** \_\_\_\_\_

**PAYMENT**    ☐ **CHECK**    *[payable to: American Ground Water Trust]*  
                   ☐ **AMEX**                    ☐ **VISA/MC**                    ☐ **PO #** \_\_\_\_\_

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**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

**Phone** \_\_\_\_\_ **Fax** \_\_\_\_\_ **E-mail** \_\_\_\_\_

**Register by:**    **MAIL** *American Ground Water Trust, 16 Centre Street, Concord, NH 03301*  
                           **FAX** (603) 228-6557        **TEL** (603) 228-5444        **WEB** [www.agwt.org](http://www.agwt.org)

**CANCELLATION POLICY**

- υ    The Trust will not cancel a workshop program due to weather.
- υ    Cancellations received in the Trust office by 5pm EST 15 days prior to event will receive a full refund less a \$25 processing fee.
- υ    Cancellation 14 days or less prior to the event will receive a 50% refund.
- υ    Cancellations on the day of the event are considered as "no shows."
- υ    Refunds will not be granted for "no shows" (substitutions gladly accepted).